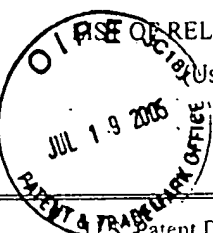


U.S. Department of Commerce, Patent and Trademark Office <div style="display: flex; align-items: center;">  <div> OFFICE OF RELEVANT ART CITED BY APPLICANT (Use several sheets if necessary) </div> </div>				Docket No.: <div style="text-align: center;">7024/SYNX/JW</div>		Serial No.: <div style="text-align: center;">10/650,481</div>	
Applicants: Robert B. Lowrance, et al				Filing Date: <div style="text-align: center;">August 28, 2003</div>		Group: <div style="text-align: center;">_____</div>	

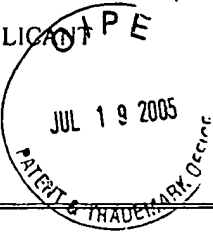
Patent Documents							
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MSL	US-1	4,401,522	Buschow et al.				
MSL	US-2	4,534,843	Hirbour et al.				
MSL	US-3	4,540,088	Bergh				
MSL	US-4	4,650,264	Dahnert				
MSL	US-5	4,775,046	Gramarossa et al.				
MSL	US-6	6,235,634	Law et al.				
MSL	US-7	2002/090282	Bachrach				
MSL	US-8	2003/010449	Gramarossa				
	US-9						
	US-10						
	US-11						

Foreign Patent Documents							Translation	
Document Number	Date	Country	Class	Subclass	Yes	No		
F-1								
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
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Examiner <i>Michael Lowe</i>	Date Considered <div style="text-align: center;">10/26/05</div>
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U.S. Patent Documents							
*Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
MSL	AA	3,710,923	01/16/73 Fromme et al. —				
MSL	AB	3,734,263	05/22/73 Dirks —				
MSL	AC	3,815,723	06/11/74 Wright et al. —				
MSL	AD	3,901,376	08/26/75 Dardaine et al. —				
MSL	AE	3,990,569	11/09/76 Aiuola —				
MSL	AF	4,029,194	06/14/77 Feurstein et al. —				
MSL	AG	4,033,403	07/05/77 Seaton et al. —				
MSL	AH	4,040,302	08/09/77 Katarao —				
MSL	AI	4,044,886	08/30/77 Sender —				
MSL	AJ	4,261,236	04/14/81 Verjux —				
MSL	AK	4,266,652	05/12/81 Bald —				

Foreign Patent Documents							Translation	
Document Number	Date	Country	Class	Subclass	Yes	No		
MSL AL JP 63020151 A2	01/27/88	Japan			X (Abstract only)			
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AO								
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U.S. Patent Documents							
*Examiner Initial	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
MSL	AA	4,340,137	Foster -				
MSL	AB	4,450,950	Foote, Jr. -				
MSL	AC	4,506,779	Seragnoli -				
MSL	AD	4,524,858	Maxey -				
MSL	AE	4,549,647	Cosse -				
MSL	AF	4,585,126	Paddock et al. -				
MSL	AG	4,603,770	Hartness -				
MSL	AH	4,667,809	Raybuck -				
MSL	AI	4,680,919	Hirama et al. -				
MSL	AJ	4,693,359	Mattei et al. -				
MSL	AK	4,759,439	Hartlepp -				

Foreign Patent Documents							Translation	
Document Number	Date	Country	Class	Subclass	Yes	No		
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MSL	AA	4,765,453	Bucher -				
MSL	AB	4,813,528	Hartlepp -				
MSL	AC	4,830,180	Ferguson et al. -				
MSL	AD	4,850,102	Hironaka et al. -				
MSL	AE	4,854,440	Laube et al. -				
MSL	AF	4,869,637	deGroot -				
MSL	AG	4,898,373	Newsome -				
MSL	AH	5,086,909	Powell, Jr. -				
MSL	AI	5,099,896	Ritola -				
MSL	AJ	5,113,992	Sadamori -				
MSL	AK	5,123,518	Pfaff -				

Foreign Patent Documents							Translation	
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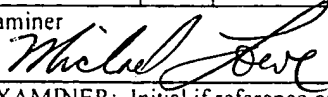
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U.S. Patent Documents							
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MSL	AA	3,710,921	Petiet -				
MSL	AB	3,722,656	Loomis, Jr. et al. -				
MSL	AC	5,135,102	Sjogren et al. -				
MSL	AD	5,184,712	Leypold et al. -				
MSL	AE	5,667,056	Kimmet -				
MSL	AF	5,207,309	Simpkin et al. -				
MSL	AG	5,226,211	Jones -				
MSL	AH	5,231,926	Williams et al. -				
MSL	AI	5,269,119	Tolson -				
MSL	AJ	5,275,275	Boldrini et al. -				
MSL	AK	5,439,091	Mason -				

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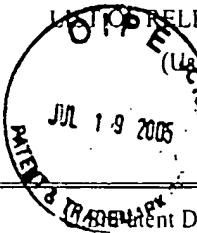
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MSL	AA	5,558,198	Juarez -				
MSL	AB	5,617,944	McTaggart -				
MSL	AC	5,628,614	Pazdernik et al. -				
MSL	AD	5,653,327	Buday, Jr. et al. -				
MSL	AE	5,823,319	Resnick et al. -				
MSL	AF	6,092,979	Miselli -				
MSL	AG	6,223,887 B1	Andou -				
MSL	AH	6,227,345 B1	Miyamoto -				
MSL	AI	6,435,331 B1	Olson et al. -				
MSL	AJ	6,511,065 B1	Cote et al. -				
MSL	AK	6,581,750 B1	Tweedy et al. -				

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Examiner <i>Michael Lowe</i>	Date Considered 10/24/05
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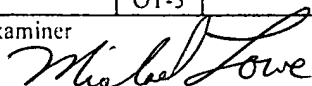
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				Applicants: Robert B. Lowrance, et al			
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Domestic Patent Documents							
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MSL	US-1	5,110,249	05/05/92	Arthur E. Norman			
MSL	US-2	6,036,426	03/14/00	Gary Hillman			
MSL	US-3	6,183,186	02/06/01	Peltola et al.			
	US-4						
	US-5						
	US-6						
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Foreign Patent Documents							Translation	
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MSL F-1 EP 0 277 536 A	08/10/88	EPO			X (Abstract)			
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F-3								
F-4								
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Examiner 	Date Considered 10/26/05
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U.S. Department of Commerce, Patent and Trademark Office

Docket No.:

7024/SYNX/JB

Serial No.:

10/650,481

LIST OF RELEVANT ART CITED BY APPLICANT

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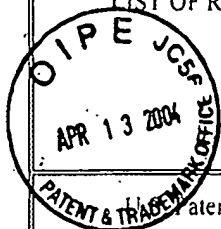
Applicants:

Robert B. Lowrance, et al.

Filing Date:

August 28, 2003

Group:



Patent Documents

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MSL	US-1	5,261,935	11/16/93	Ishii et al.			
MSL	US-2	5,827,118	10/27/98	Johnson et al.			
MSL	US-3	5,829,939	11/03/98	Iwai et al.			
MSL	US-4	6,054,181	04/25/00	Nanbu et al.			
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Foreign Patent Documents

Translation

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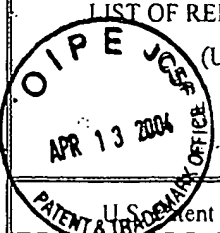
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Date Considered

10/26/05

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				Applicants: Martin R. Elliott, et al			
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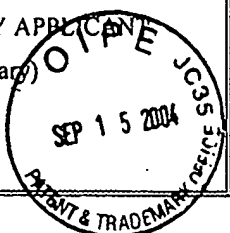
U.S. Patent Documents							
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MSL	US-1	5,048,164	09/17/91	Harima			
MSL	US-2	5,603,777	02/18/97	Ohashi			
MSL	US-3	6,439,822 B1	08/27/02	Kimura et al.			
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Foreign Patent Documents							Translation	
Document Number	Date	Country	Class	Subclass	Yes	No		
MSL	F-1	JP 10-256346	09/25/98	JP				
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	F-4							
	F-5							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
MSL	OT-1	United States Patent Application Publication No. US 2002/0090282 A1, Pub. Date 7/11/2002
	OT-2	
	OT-3	

Examiner <i>Michael Love</i>	Date Considered <i>10/26/05</i>
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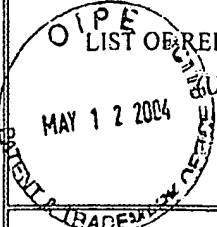
U.S. Patent Documents							
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Foreign Patent Documents							Translation	
	Document Number	Date	Country	Class	Subclass	Yes	No	
MSL	F-1	EP 0 987 750 A1	03/22/00	EPO		X		
MSL	F-2	EP 1 134 641 A1	09/19/01	EPO		X		
MSL	F-3	WO 99/64207	12/16/99	WIPO		X		
MSL	F-4	WO 02/19392 A1	03/07/02	WIPO		X		
	F-5							

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U.S. Patent Documents							
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